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AUTO GLASS

American Motor School

IS ONE OF TWO SPEAKERS.

Will Rogers is going into the automobile business for one night. He will be one of the two speakers at the annual dinner of the National Automobile Chamber of Commerce to be held in the Hotel Commodore, New York, January 9. This expert lariat

Cress is the quickest growing plant It has been known to flower and seed within eight days of planting.

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Bad Weather Is Close at Hand

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For Transmissions and Differentials

The Cadillac car which

you have long desired,

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Give the Family "A Kissel"

Christmas Morning Delibery

Custom Built for Driving Comfort

No one deserves from the automobile

The Kissel Six is custom-built for the

manufacturer more thought for comfort

man or woman who drives, as well as for

falls naturally from the wheel; the steering

post is adjustable to the driver's height.

than the man behind the wheel.

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THE

Franklin 3900, 3901, 3902

Sold in five and twenty-five pound cans by garages, gasoline stations and accessory dealers. Call for it by name-EBONITE.

BAYERSON OIL WORKS, Manufacturers, Erie, Pa. Fennsylvania Petroleum Products MAKERS OF AUTOCRAT MOTOR OILS

WEED CHAINS

Broken Links Replaced
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If you Need Chains We Advise
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Choosing Garage Doors.

Wile the home garage still exists
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Tr. Insurission and Differential Gears

Gear coughin when they're worn, just like a man, and that high pitched beaunt is reedly a warning signal, it indicates poor labrication men, always. Whenever its cause, it should be stopped at once, for when garage corre were resumpt to grind, the extra pely that causes that grind wears them one recome recounted by sind, the extra pely that causes that grind wears them one proportionalely faster as it increase.

For Transmissions

| Chair | Ch

The Sunday Motorist

An Abridged Magazine for Car Owners.

EDITED BY WILLIAM ULLMAN

possible structural expense, it is impossible to arrange the doors to open inwardly without resorting to one of several devices that may be had for so hanging them that they can be slid back into the building without coming in contact with the car itself. Doors of this kind are made in various styles.

ous styles.

For a small building a door of two sections, both of which slide to one side, can be used. This provides ample entrance space for a single car. It is

WORLD

than this is the fact that doors which rest when open against the outside of the building may be damaged easily by wind. Furthermore, it becomes necessary in winter to remove accumulated snow before they can be operated.

In the case of a small garage, built to house a single car at the least possible structural expense, it is impossible to arrange the doors to open against the doors of the surface of the building may be damaged easily by wind. Furthermore, it becomes necessary in winter to remove a fellow gets his conscience quieted down and is all ready to go to sleep, a fool with an unmuffled exhaust roars by and spoils everything.

Did You Know-

That paper binding strips, which grocers now use in place of cord, is handy to seal up the cracks of a broken windshield or window? The paper not only prevents air and rain from coming in, but keeps the glass from cracking more or falling out. One strip should be attached to the outside; one to the inside. The unsightly appearance of these paper strips is a constant reminder to the strips is a constant reminder to the owner to have new glass put in when

strips is a constant reminder to the owner to have new glass put in when they have served their purpose as an emergency aid.

That a creaking sound in a rear wheel when the clutch is let in may be due to a loose wheel on the axle, provided the axle is the semi or three-quarters floating type, in which the wheel is not rigidly attached to the axle? In this type of axle the wheel fits on to the tapered end of the shaft and is locked into place with a large nut, which is, in turn, secured by a cotter pin. If the wheel is a bit loose the axle will slip slightly when power is applied, and thus make a noise similar to that caused by turning a tapered glass stopper in a bottle. The wheel will not seem to be loose at all, but a quarter or half turn of the nut will usually stop the trouble and prove that it really was loose.

Hard to Believe.

Motor vehicle statisticians have gone to the trouble of informing us that one-third of the cars registered in New York state are located in New York city. What a revelation! It has always seemed as though all the

The Old Mechanic Says:

"When folks come in here to get their cars and pay their bills, it's funny how they all ask. What was wrong with it? They want to know what broke or what went wrong, what I had to do to fix it and how much it all costs. But they seldom ask me what caused the trouble, or whether they had anything to do with it. "The trouble with that chap who just drove out is that he doesn't know how to handle the spark. He thinks he picked a 'lemon' just because he had to have new wrist pins put in every now and again or a bearing taken up. The whole trouble with his car is himself. I've told him a dozen times not to accelerate the car with the spark fully advanced, but he pays no attention to my advice, because he the spark fully advanced, but he pays no attention to my advice, because he can't visualize what's going on in his engine when he does the wrong thing. "With the spark fully advanced the plugs fire the mixture of their cylinders long before the pistons reach the top of their compression stroke. When an engine gets up speed and the road is level it's better for the spark to arrive early, because it gives the gas vapor a better chance to burn completely, expand and do its work of pushing the pistons down. • But when the car is dragging, an early or advanced spark tends to make the when the car is dragging, an early or advanced spark tends to make the pistons reverse their motion. The momentum of the car and the speed of the engine prevent them from actually doing this, but the reverse force pistons receive under these conditions acts like a hammer blow, thus wearing out the wrist pins and straining the bearings.

"If that chap would learn to handle his spark properly he'd realize that his own driving is what gives the car the lemon flavor."

Various homemade schemes for making rain run off the windshield are frequently dangerous, in that they tend to carry the water off in invisi-ble grooves. These grooves, whether ble grooves. These grooves, whether horizontal or perpendicular, cause the windshield to become a temporary and partial lens, and light seen through the windshield, or headlights of other cars shining upon it, will cause distortion. In the former instance the driver may find that he misjudges the position of an object, while in the latter the glare of approaching headlights will be more annoying than usual. An efficient windshield wiper is the best solution.

Trough for Windshield.

Trough for Windshield.

Those troughs seen on the roof of one of the new closed cars, which are used to conduct the rain to the ground in such a way that it does not drain down over the windows, suggests a new attachment for windshields, Many motorists—particularly during a warm rain—prefer to push the upper half of the windshield slightly open, but find, upon doing so, that water dripping from the glass blows in on them. So why not a trough for the windshield? A rubber strip similar to the one used between the halves of the windshield, but composed of a double groove, would be just the thing.

Keep Straight Ahead.

If you happen to forget to signal the fact that you intend turning, and if you are suddenly aware that another car follows, the sensible thing to do is to go straight ahead again. It means going a block out of your way, but considering the possible collision you avoid by not getting in the way of the other car, it is worth it.

Do You Remember-

Observations.

The fact that there will be more cars sold this year than last substantiates the early spring prediction that wilful neglect of cars in 1920 would call for abnormal replacement sales this year; 1922 has been a record year in spite of the fact that it was mainly a replacement year, proving thereby the modern maxim, "Once a motorist always a motorist."

Statistics show that the proportion of accidents resulting from skidding is becoming less. This fact, considered in the light of our recollection of 1922 as a rain-record year, simply proves that practice makes perfect.

Coarright, 1922 be the Climan Festure Service.

The Seven-Passenger

Sedan

Ten Body Types

Driving Through Rain.

The first compressed air starters used on cars and the noise they made? An "old-timer" claims that his made so much noise that a fair passerby fainted, thinking she had been shot. When acetylene gas was first used for self-starting, many a driver enjoyed the experience of seeing his cylinder head come through the hood. It isn't any wonder that the "conservatives" preferred to run the risk of getting a broken arm hand-cranking the old buss.

Observations.

Valve-in-Head The Standard of Comparison

Get Behind the Wheel

are back from the trip.

plant ever developed.

Ask Any Authorized Washington Lincoln and Ford Dealer.

The ease of mind and sense of security in driving a Lincoln

endures from the minute you open the throttle until you

The 8-cylinder motor - cylinder blocks set at an included

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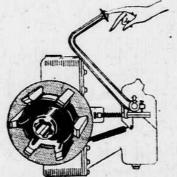
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For Cold Weather Motoring Confidence

The Buick Seven Passenger Touring-\$1435

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clutch, yet the clutch is always positive in its action. The clutch in all models

The Buick Line for, 1923 comprises Fourteen Models:

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Close fitting storm curtains, provided with the special Buick weather strip to seal the joints, and that open with the doors,

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afford a snug comfort against storm and cold.

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A finger's pressure disengages the Buick

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KISSEL

Kissel-built seats; rare roadability and those who ride; and many exclusive feaperfect spring suspension; the smooth, tures of design and construction earn for silent flow of power from the custom-built it this comment of veteran motorists-Kissel engine—the total is comfort in its "the easiest car to handle I ever saw". Because Kissel has planned for driving Because Kissel has built to this ideal, comfort'and control, the stems of clutch men who have driven many other fine cars and service brake can be adjusted to foot set a new and higher standard of satisreach; the long gear shift lever is topped with a two-inch knob to which the hand faction after holding the wheel of this Custom-Built Six.

These are but a few evidences of

thoughtful design and painstaking work-

manship that are applied throughout the

Kissel Custom-Built Six. Add to them the

ease of riding on the specially designed,

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